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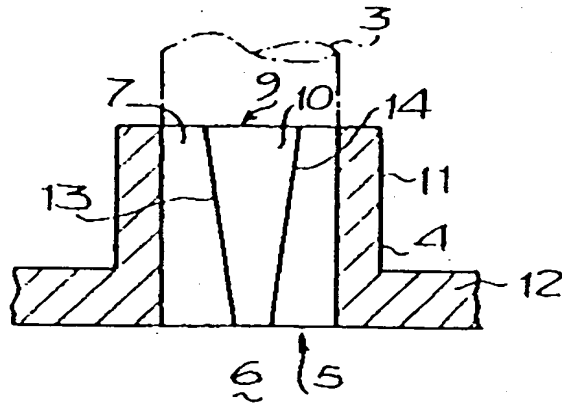
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TITLE : BEARING STRUCTURE FOR
ENCLOSED TYPE COMPRESSOR



ABSTRACT : PURPOSE: To constitute a lubricating oil groove having oil feeding effect by a centrifugal pump effect and reduce manufacturing cost by a method wherein the groove, having tapered rim sections therein, is formed integrally with the lower bearing of the enclosed type compressor.

CONSTITUTION: The bearing 4 consists of a cylindrical section 11, having a bearing surface 7 supporting a driving shaft 3, and a flange section 12, to be fixed to a mounting section. In case the bearing 4 is formed integrally by cast iron or the like under employing a forming die, the lubricating oil groove forming die is formed so that the lubricating oil groove 10, having the tapered rim sections 13, 14 expanded toward the upper part in the axial direction of the bearing surface 7, is formed integrally. The oil groove 10 is also arranged so that the lubricating oil, introduced from the opening 5 of the bearing 4 in an oil reservoir chamber 6, is supplied to the upper part of the axial direction by a centrifugal force due to the rotation of the driving shaft 3 and the inclined surfaces of the tapered rim sections 13, 14. The oil feeding may be effected in both of normal and reverse rotations by the tapered rim sections 13, 14.

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